

CLAIMS

What is claimed is:

- 1 1. A system for displaying information in correct format from a sender of the
2 information in a telecommunication system, comprising:
3 a receiving point for receiving from a sending unit the information which
4 it is desired to display on a receiving unit, wherein the information may not be in a format
5 that is recognizable by the receiving unit;
6 a computer processor in communication with the receiving point for
7 determining whether the received information is in a format recognizable by the receiving
8 unit; and
9 an algorithm engine in communication with the computer processor for
10 generating a correct format for the received information, whereby when the computer
11 processor determines that the information is not in a correct format, the algorithm engine
12 formats the received information to the correct format for the receiving unit and the
13 receiving point forwards the correctly formatted information to the receiving unit.
- 1 2. The system recited in claim 1, wherein the receiving point comprises a
2 database.
- 1 3. The system recited in claim 1, wherein the receiving point comprises a
2 cache memory.
- 1 4. The system recited in claim 1, further comprising a transceiver for
2 receiving the information from the sender.
- 1 5. The system recited in claim 4, wherein the information comprises a phone
2 number.

1 6. A method for displaying information on a display in a correct format,
2 comprising the steps of:
3 receiving the information and determining whether the information is in a
4 format recognizable by the display;
5 searching a set of algorithms for a correct display format if it is
6 determined that the information is not in the correct format for the display;
7 formatting the information in the correct format as determined by the
8 searching step; and
9 forwarding the correctly formatted information to the display for display
10 in the correct format.

1 7. The method recited in claim 6, further comprising the step of sending
2 message to a process or if it is determined that the information is not in a format
3 recognizable by the display.

1 8. The method recited in claim 7, wherein the information comprises a phone
2 number.

1 9. The method recited in claim 8, wherein the formatting step further comprises
2 reading a sender identification type of the phone number.

1 10. The method recited in claim 9, wherein the searching step further
2 comprises matching the sender identification type with an algorithm in the set of
3 algorithms.

1 11. The method recited in claim 10, further comprising the step of displaying
2 the phone number on the display device if it is determined by the receiving step that the
3 phone number is in a format recognizable by the display.